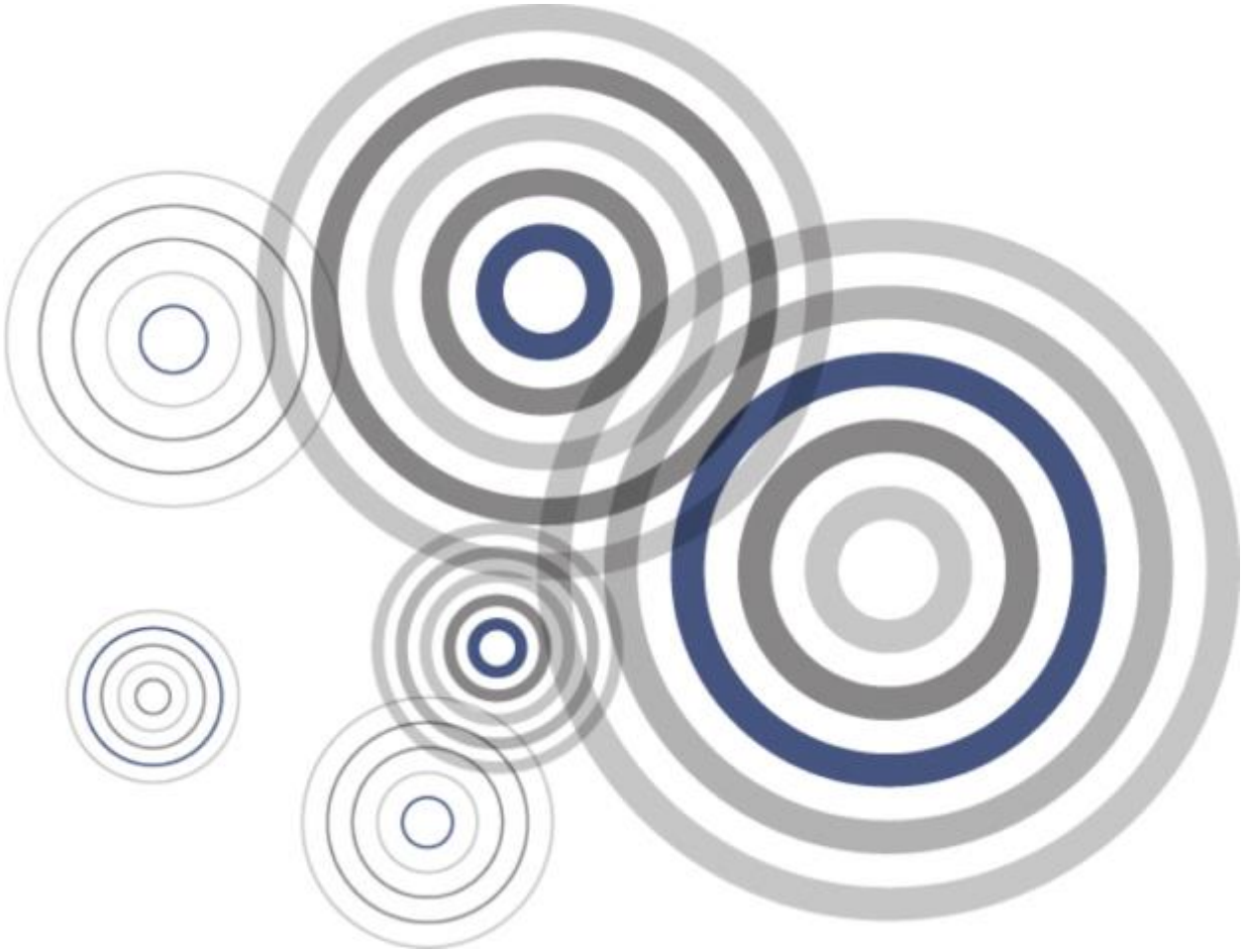
Public

LEI Common Data File format V2.0

FINAL V2.0 2016-11-30



Contents

LEI-CDF Version 2.0

Documentation last updated: 2016-11-28

1. Introduction

As the Global LEI System (GLEIS) High Level Principles stipulate, the GLEIS should uniquely and unambiguously identify participants to financial transactions. The ISO 17442 Legal Entity Identifier (LEI) standard defines the following set of attributes as the most essential elements of identification:

- The official name of the legal entity as recorded in the business registry, or with the fund manager for collective investment vehicles, or otherwise in the entity's constituting documents.
- Where applicable, the name of the business registry in which the entity was formed.
- The identifier of the entity in the business registry.
- The address of the headquarters of the legal entity or the address of the fund manager.
- The address and the country of legal formation as represented in ISO 3166.
- The date of the first LEI assignment.
- The date of last update of the LEI set of information.
- The date of expiry, where applicable.
- The reason for expiry, if applicable.
- For entities with a date of expiry, where applicable, the LEI of the entity or entities that acquired the expired entity.

The LEI Common Data File format (LEI-CDF) was proposed by the Legal Entity Identifier Regulatory Oversight Committee (LEI ROC) as the additional standard necessary to support the GLEIS in maintaining exclusive assignment of LEIs (one LEI per entity) and identifying, remediating data quality issues, and supporting use of the data. It is maintained and developed as a technical standard by the Global LEI Foundation (GLEIF) with the collaboration and oversight of the LEI ROC. The LEI-CDF specifies in more detail:

- The semantic content (definitions) of the ISO 17442 attributes.
- Some additional elements, such an indication of the status of the information, necessary for effective use of the data.
- The form the information takes at any given LOU, such that it can be made to conform to a common standard.

All LOUs use this file format to publish LEIs and their reference data.

1.1. Audience for this document

The target audience for this standard includes:

- All Local Operating Units (as well as candidate LOUs) of the GLEIS.
- All users or potential users of LEI data.
- All financial regulators who consume LEI data.

1.2. Status of this document

This section describes the status of this document at the time of its publication. Later versions may supersede this document. The most up to date version will always be available from www.gleif.org.

The file format references and honors previous completed work published by the LEI ROC in a document entitled "LEI Data File Format 1.0" (19 June 2014; available from www.leiroc.org).

1.3. Terminology and Typographical Conventions

The following typographical conventions are used throughout the document:

- ALL CAPS type is used for the special terms enumerated above.
- `Monospace type` is used to denote programming language, UML, and XML identifiers, as well as for the text of XML documents.

1.4. Cardinalities

- The cardinality of each element (the number of times it MUST or MAY appear in an XML data file conforming to this schema) is expressed as a number range in the format {minimum occurrences, maximum occurrences} in the XML examples shown below the notes of its containing element. This notation is equivalent to the following explanations in words:
  - Mandatory, unique: `{1,1}` - the element MUST appear, exactly once.
  - Mandatory, repeatable: `{1,unbounded}` - the element MUST appear at least once. It may be repeated any number of times.
  - Optional, unique: `{0,1}` - the element NEED NOT appear; it MAY appear once at most.
  - Optional, repeatable: `{0,unbounded}` - the element NEED NOT appear. It MAY be repeated any number of times.

Please note:

- The default cardinality is {1,1} (mandatory, unique). This document highlights when an element differs from this either by its `minOccurs` (minimum occurrences) or `maxOccurs` (maximum occurrences) value, or both.
- XML cardinalities apply in the context of any containing elements. This means that a contained element may have a cardinality of one or more even if its containing element may be omitted, because the contained element is mandatory **given** the presence of the container.
- XML cardinalities enforce a minimum data quality and standards conformance. Other business rules (as explained below) and data quality checks applied by GLEIF may encourage stricter cardinalities in live implementations.

1.5. Business Rules

The accompanying documentation in addition to this Technical Specification specifies business rules where applicable for each element. These are rules that are not enforced by validating against the XML schema, but are still mandatory for all Common Data File (CDF) format files.

1.6. XML Syntax

This section specifies the XML schema for an LEI data file conforming to this standard.

1.6.1. XML Design Rules

- The XSD schema conforms to W3C's XML Schema specification, version 1.0.
- The XML namespace is "http://www.gleif.org/data/schema/leidata/2016".
- All interior XML elements are namespace-qualified (element form = qualified).
- All XML attributes are in the null namespace (attribute form = unqualified), with the exception of `xml:lang`.
- Element names are upper camel case.
- Attribute name are lower camel case.
- XSD type names are upper camel case.
- Enumeration code list values are all caps with underscores.
- Elements are used in preference to attributes except for language and type qualifiers.
- For a data element specified as having unbounded cardinality, the XML includes a single container element whose subelements are one or more instances of the data element whose cardinality is unbounded. The name of the container element is formed as the plural of the name of the contained elements.

1.6.2. XML Schema

An XML file conforming to this standard SHALL be valid according to the following XSD 1.0 schema.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:lei="http://www.gleif.org/data/schema/leidata/2016"
elementFormDefault="qualified"
  targetNamespace="http://www.gleif.org/data/schema/leidata/2016">
  <xs:import namespace="http://www.w3.org/XML/1998/namespace"
    schemaLocation="http://www.w3.org/2001/xml.xsd"/>
  <xs:element name="LEIData" type="lei:LEIData"> </xs:element>
  <xs:complexType name="LEIData">
    <xs:sequence>
      <xs:element name="LEIHeader" type="lei:LEIHeaderType"> </xs:element>
      <xs:element name="LEIRecords" type="lei:LEIRecordsType">
</xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIHeaderType">
    <xs:sequence>
      <xs:element name="ContentDate" type="lei:LEIDateTimeProfile">
</xs:element>
      <xs:element name="Originator" type="lei:LEIType" minOccurs="0">
</xs:element>
      <xs:element name="FileContent" type="lei:FileContentEnum">
</xs:element>
      <xs:element name="DeltaStart" type="lei:LEIDateTimeProfile"
minOccurs="0"> </xs:element>
      <xs:element name="RecordCount" type="xs:nonNegativeInteger">
</xs:element>
      <xs:element name="NextVersion" type="lei:HeaderNextVersionType"
minOccurs="0"> </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="HeaderNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
```

```
        namespace="##targetNamespace"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIRecordsType">
    <xs:sequence>
      <xs:element name="LEIRecord" type="lei:LEIRecordType" minOccurs="0"
maxOccurs="unbounded"
      > </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIRecordType">
    <xs:sequence>
      <xs:element name="LEI" type="lei:LEIType"> </xs:element>
      <xs:element name="Entity" type="lei:EntityType"> </xs:element>
      <xs:element name="Registration" type="lei:RegistrationType">
</xs:element>
      <xs:element name="NextVersion" type="lei:LEIRecordNextVersionType"
minOccurs="0"> </xs:element>
      <xs:element name="Extension" type="lei:ExtensionType" minOccurs="0">
</xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIRecordNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
        namespace="##targetNamespace"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="EntityType">
    <xs:sequence>
      <xs:element name="LegalName" type="lei:NameType"> </xs:element>
      <xs:element name="OtherEntityNames" type="lei:OtherEntityNamesType"
minOccurs="0"> </xs:element>
      <xs:element name="TransliteratedOtherEntityNames"
        type="lei:TransliteratedOtherEntityNamesType" minOccurs="0">
</xs:element>
      <xs:element name="LegalAddress" type="lei:AddressType"> </xs:element>
```

```
      <xs:element name="HeadquartersAddress" type="lei:AddressType">
</xs:element>
      <xs:element name="OtherAddresses" type="lei:OtherAddressesType"
minOccurs="0"> </xs:element>


      <xs:element name="TransliteratedOtherAddresses"
type="lei:TransliteratedOtherAddressesType"
        minOccurs="0"> </xs:element>


      <xs:element name="RegistrationAuthority"
type="lei:RegistrationAuthorityType" minOccurs="0"> </xs:element>
      <xs:element name="LegalJurisdiction" type="lei:JurisdictionCodeType"
minOccurs="0"> </xs:element>
      <xs:element name="EntityCategory" type="lei:EntityCategoryTypeEnum"
minOccurs="0"> </xs:element>
      <xs:element name="LegalForm" type="lei:LegalFormType" minOccurs="0">
</xs:element>
      <xs:element name="AssociatedEntity" type="lei:AssociatedEntityType"
minOccurs="0"> </xs:element>
      <xs:element name="EntityStatus" type="lei:EntityStatusEnum">
</xs:element>
      <xs:element name="EntityExpirationDate" type="lei:LEIDateTimeProfile"
minOccurs="0"> </xs:element>
      <xs:element name="EntityExpirationReason"
type="lei:EntityExpirationReasonEnum" minOccurs="0"> </xs:element>
      <xs:element name="SuccessorEntity" type="lei:SuccessorEntityType"
minOccurs="0"> </xs:element>
      <xs:element name="NextVersion" type="lei:EntityNextVersionType"
minOccurs="0"> </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="EntityNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
        namespace="##targetNamespace"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="RegistrationType">
    <xs:sequence>
      <xs:element name="InitialRegistrationDate"
type="lei:LEIDateTimeProfile"> </xs:element>
```

```
      <xs:element name="LastUpdateDate" type="lei:LEIDateTimeProfile">
</xs:element>

      <xs:element name="RegistrationStatus"
type="lei:RegistrationStatusEnum"> </xs:element>

      <xs:element name="NextRenewalDate" type="lei:LEIDateTimeProfile">
</xs:element>

      <xs:element name="ManagingLOU" type="lei:LEIType"> </xs:element>

      <xs:element name="ValidationSources" type="lei:ValidationSourcesEnum"
minOccurs="0"> </xs:element>

      <xs:element name="ValidationAuthority"
type="lei:ValidationAuthorityType" minOccurs="0"> </xs:element>

      <xs:element name="OtherValidationAuthorities"
type="lei:OtherValidationAuthoritiesType"

        minOccurs="0"> </xs:element>

      <xs:element name="NextVersion" type="lei:RegistrationNextVersionType"
minOccurs="0"

      > </xs:element>

    </xs:sequence>

  </xs:complexType>

  <xs:complexType name="RegistrationNextVersionType">

    <xs:sequence>

      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"

        namespace="##targetNamespace"/>

    </xs:sequence>

  </xs:complexType>

  <xs:complexType name="ExtensionType">

    <xs:sequence>

      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
namespace="##other"/>

    </xs:sequence>

  </xs:complexType>

  <xs:complexType name="AddressType">

    <xs:sequence>

      <xs:element name="FirstAddressLine" type="lei:Tokenized500Type">
</xs:element>


      <xs:element name="AddressNumber" type="lei:Tokenized500Type"
minOccurs="0"> </xs:element>

      <xs:element name="AddressNumberWithinBuilding"
type="lei:Tokenized500Type" minOccurs="0"> </xs:element>
```

```
      <xs:element name="MailRouting" type="lei:Tokenized500Type"
minOccurs="0"> </xs:element>
      <xs:element name="AdditionalAddressLine" type="lei:Tokenized500Type"
minOccurs="0"
        maxOccurs="3"> </xs:element>



      <xs:element name="City" type="lei:Tokenized500Type"> </xs:element>
      <xs:element name="Region" type="lei:RegionCodeType" minOccurs="0">
</xs:element>
      <xs:element name="Country" type="lei:CountryCodeType"> </xs:element>
      <xs:element name="PostalCode" type="lei:Tokenized500Type"
minOccurs="0"> </xs:element>
    </xs:sequence>
    <xs:attribute ref="xml:lang" use="optional"> </xs:attribute>
  </xs:complexType>


  <xs:complexType name="TransliteratedAddressType">
    <xs:sequence>
      <xs:element name="FirstAddressLine"
type="lei:TransliteratedStringType"> </xs:element>


      <xs:element name="AddressNumber" type="lei:TransliteratedStringType"
minOccurs="0"> </xs:element>
      <xs:element name="AddressNumberWithinBuilding"
type="lei:TransliteratedStringType"
        minOccurs="0"> </xs:element>
      <xs:element name="MailRouting" type="lei:TransliteratedStringType"
minOccurs="0"> </xs:element>
      <xs:element name="AdditionalAddressLine"
type="lei:TransliteratedStringType" minOccurs="0"
        maxOccurs="3"> </xs:element>



      <xs:element name="City" type="lei:TransliteratedStringType">
</xs:element>
      <xs:element name="Region" type="lei:RegionCodeType" minOccurs="0">
</xs:element>
      <xs:element name="Country" type="lei:CountryCodeType"> </xs:element>
```

```
      <xs:element name="PostalCode" type="lei:TransliteratedStringType"
minOccurs="0"> </xs:element>
    </xs:sequence>
    <xs:attribute ref="xml:lang" use="optional"> </xs:attribute>
  </xs:complexType>

  <xs:complexType name="AssociatedEntityType">
    <xs:choice>
      <xs:element name="AssociatedLEI" type="lei:LEIType"> </xs:element>
      <xs:element name="AssociatedEntityName" type="lei:NameType">
</xs:element>
    </xs:choice>
    <xs:attribute name="type" type="lei:AssociatedEntityTypeEnum"
use="required"> </xs:attribute>
  </xs:complexType>
  <xs:complexType name="RegistrationAuthorityType">
    <xs:sequence>
      <xs:element name="RegistrationAuthorityID"
type="lei:RegistrationAuthorityEnum"> </xs:element>

      <xs:element name="OtherRegistrationAuthorityID"
type="lei:Tokenized500Type" minOccurs="0"> </xs:element>

      <xs:element name="RegistrationAuthorityEntityID"
type="lei:Tokenized500Type" minOccurs="0"
      > </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="OtherValidationAuthoritiesType">
    <xs:sequence>
      <xs:element name="OtherValidationAuthority"
type="lei:ValidationAuthorityType" minOccurs="0"
        maxOccurs="unbounded"> </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ValidationAuthorityType">
    <xs:sequence>
      <xs:element name="ValidationAuthorityID"
type="lei:RegistrationAuthorityEnum"> </xs:element>
```

```
      <xs:element name="OtherValidationAuthorityID"
type="lei:Tokenized500Type" minOccurs="0"> </xs:element>


      <xs:element name="ValidationAuthorityEntityID"
type="lei:Tokenized500Type" minOccurs="0"
      > </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:simpleType name="JurisdictionCodeType">
    <xs:union memberTypes="lei:CountryCodeType lei:RegionCodeType"/>
  </xs:simpleType>
  <xs:complexType name="OtherAddressType">
    <xs:complexContent>
      <xs:extension base="lei:AddressType">
        <xs:attribute name="type" type="lei:AddressTypeEnum"
use="required"> </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="OtherAddressesType">
    <xs:sequence>
      <xs:element name="OtherAddress" type="lei:OtherAddressType"
maxOccurs="unbounded"
      > </xs:element>
    </xs:sequence>
  </xs:complexType>


  <xs:complexType name="TransliteratedOtherAddressesType">
    <xs:sequence>
      <xs:element name="TransliteratedOtherAddress"
type="lei:TransliteratedOtherAddressType"
        maxOccurs="unbounded"> </xs:element>
    </xs:sequence>
  </xs:complexType>


  <xs:complexType name="TransliteratedOtherAddressType">
    <xs:complexContent>
```

```
      <xs:extension base="lei:TransliteratedAddressType">
        <xs:attribute name="type" type="lei:TransliteratedAddressTypeEnum"
use="required"
        > </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

  <xs:complexType name="OtherEntityNamesType">
    <xs:sequence>
      <xs:element name="OtherEntityName" type="lei:OtherEntityNameType"
maxOccurs="unbounded"
      > </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransliteratedOtherEntityNamesType">
    <xs:sequence>
      <xs:element name="TransliteratedOtherEntityName"
type="lei:TransliteratedOtherEntityNameType"
        maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="OtherEntityNameType">
    <xs:complexContent>
      <xs:extension base="lei:NameType">
        <xs:attribute name="type" type="lei:EntityNameTypeEnum"
use="required"> </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

  <xs:complexType name="SuccessorEntityType">
    <xs:choice>
      <xs:element name="SuccessorLEI" type="lei:LEIType"> </xs:element>
      <xs:element name="SuccessorEntityName" type="lei:NameType">
</xs:element>
```

```
    </xs:choice>
  </xs:complexType>
  <xs:simpleType name="CountryCodeType">

    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="2"/>
      <xs:pattern value="([A-Z]{2})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RegionCodeType">

    <xs:restriction base="xs:string">
      <xs:minLength value="4"/>
      <xs:maxLength value="6"/>
      <xs:pattern value="([A-Z]{2}-[A-Z0-9]{1,3})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="LEIType">
    <xs:restriction base="xs:string">
      <xs:minLength value="20"/>
      <xs:maxLength value="20"/>
      <xs:pattern value="([0-9A-Z]{18}[0-9]{2})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Tokenized500Type">

    <xs:restriction base="xs:string">
      <xs:maxLength value="500"/>
      <xs:minLength value="1"/>
      <xs:pattern value="\S+( \S+)*"/>

    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="FileContentEnum">
```

```
    <xs:restriction base="xs:string">

      <xs:enumeration value="LOU_FULL_PUBLISHED"> </xs:enumeration>
      <xs:enumeration value="LOU_DELTA_PUBLISHED"> </xs:enumeration>
      <xs:enumeration value="GLEIF_FULL_PUBLISHED"> </xs:enumeration>
      <xs:enumeration value="GLEIF_DELTA_PUBLISHED"> </xs:enumeration>
      <xs:enumeration value="QUERY_RESPONSE"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RegistrationAuthorityEnum">
    <xs:restriction base="xs:string">

      <xs:pattern value="RA\d{6}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EntityCategoryTypeEnum">
    <xs:restriction base="xs:token">
      <xs:enumeration value="BRANCH"> </xs:enumeration>
      <xs:enumeration value="FUND"> </xs:enumeration>
      <xs:enumeration value="SOLE_PROPRIETOR"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>

  <xs:complexType name="LegalFormType">
    <xs:sequence>

      <xs:element name="EntityLegalFormCode" type="lei:LegalFormEnum">
</xs:element>

      <xs:element name="OtherLegalForm" type="lei:Tokenized500Type"
minOccurs="0"> </xs:element>

    </xs:sequence>
  </xs:complexType>

  <xs:simpleType name="LegalFormEnum">
```

```
    <xs:restriction base="xs:string">
      <xs:pattern
        value="([A-Z][A-Z0-9]{3}|[A-Z0-9][A-Z][A-Z0-9]{2}|[A-Z0-9]{2}[A-
Z][A-Z0-9]|[A-Z0-9]{3}[A-Z])"/>
      <xs:pattern value="9999"/>
      <xs:pattern value="8888"/>
    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="EntityNameTypeEnum">
    <xs:restriction base="xs:string">

      <xs:enumeration value="ALTERNATIVE_LANGUAGE_LEGAL_NAME">
</xs:enumeration>
      <xs:enumeration value="PREVIOUS_LEGAL_NAME"> </xs:enumeration>
      <xs:enumeration value="TRADING_OR_OPERATING_NAME"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="AddressTypeEnum">
    <xs:restriction base="xs:string">

      <xs:enumeration value="ALTERNATIVE_LANGUAGE_LEGAL_ADDRESS">
</xs:enumeration>

      <xs:enumeration value="ALTERNATIVE_LANGUAGE_HEADQUARTERS_ADDRESS">
</xs:enumeration>

    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="TransliteratedAddressTypeEnum">
    <xs:restriction base="xs:string">


      <xs:enumeration value="AUTO_ASCII_TRANSLITERATED_LEGAL_ADDRESS">
</xs:enumeration>
```

```
      <xs:enumeration
value="AUTO_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS"> </xs:enumeration>

      <xs:enumeration value="PREFERRED_ASCII_TRANSLITERATED_LEGAL_ADDRESS">
</xs:enumeration>

      <xs:enumeration
value="PREFERRED_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS">
</xs:enumeration>

    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="AssociatedEntityTypeEnum">
    <xs:restriction base="xs:string">

      <xs:enumeration value="FUND_FAMILY"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EntityStatusEnum">
    <xs:restriction base="xs:string">

      <xs:enumeration value="ACTIVE"> </xs:enumeration>
      <xs:enumeration value="INACTIVE"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EntityExpirationReasonEnum">
    <xs:restriction base="xs:string">

      <xs:enumeration value="DISSOLVED"> </xs:enumeration>
      <xs:enumeration value="CORPORATE_ACTION"> </xs:enumeration>
      <xs:enumeration value="OTHER"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RegistrationStatusEnum">
```

```
    <xs:restriction base="xs:string">

      <xs:enumeration value="PENDING_VALIDATION"> </xs:enumeration>
      <xs:enumeration value="ISSUED"> </xs:enumeration>
      <xs:enumeration value="DUPLICATE"> </xs:enumeration>
      <xs:enumeration value="LAPSED"> </xs:enumeration>
      <xs:enumeration value="MERGED"> </xs:enumeration>
      <xs:enumeration value="RETIRED"> </xs:enumeration>
      <xs:enumeration value="ANNULLED"> </xs:enumeration>
      <xs:enumeration value="CANCELLED"> </xs:enumeration>
      <xs:enumeration value="TRANSFERRED"> </xs:enumeration>
      <xs:enumeration value="PENDING_TRANSFER"> </xs:enumeration>
      <xs:enumeration value="PENDING_ARCHIVAL"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ValidationSourcesEnum">
    <xs:restriction base="xs:string">

      <xs:enumeration value="PENDING"> </xs:enumeration>
      <xs:enumeration value="ENTITY_SUPPLIED_ONLY"> </xs:enumeration>
      <xs:enumeration value="PARTIALLY_CORROBORATED"> </xs:enumeration>
      <xs:enumeration value="FULLY_CORROBORATED"> </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="NameType">
    <xs:simpleContent>
      <xs:extension base="lei:Tokenized500Type">
        <xs:attribute ref="xml:lang" use="optional"> </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:simpleType name="TransliteratedStringType">

    <xs:restriction base="lei:Tokenized500Type">
      <xs:pattern
        value="(!|&#34;|%|&amp;|'|\(|\)|\*|\+|,|-
|\.|/|0|1|2|3|4|5|6|7|8|9|:|;|&lt;|=|&gt;|\?|A|B|C|D|E|F|G|H|I|J|K|L|
```

```
|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n|o|p|q|r|s|t|u|v|
w|x|y|z)+"
      />
    </xs:restriction>
  </xs:simpleType>

  <xs:complexType name="TransliteratedOtherEntityNameType">
    <xs:complexContent>
      <xs:extension base="lei:TransliteratedNameType">
        <xs:attribute name="type"
type="lei:TransliteratedEntityNameTypeEnum" use="required"
        > </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:simpleType name="TransliteratedEntityNameTypeEnum">
    <xs:restriction base="xs:token">
      <xs:enumeration value="PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME">
</xs:enumeration>
      <xs:enumeration value="AUTO_ASCII_TRANSLITERATED_LEGAL_NAME">
</xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="TransliteratedNameType">
    <xs:simpleContent>
      <xs:extension base="lei:TransliteratedStringType">
        <xs:attribute ref="xml:lang" use="optional"> </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:simpleType name="LEIDateTimeProfile">
    <xs:restriction base="xs:dateTime">

      <xs:pattern
        value="([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-
3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))"
      />
    </xs:restriction>
```

```
  </xs:simpleType>

</xs:schema>
```

1.7. Release Notes

1.7.1. Version 1.0

The first release. Please find the published specification of LEI-CDF V1.0 at https://www.gleif.org/content/2-about-lei/5-common-data-file-format/lou-20140620.pdf

1.7.2. Version 2.0

- Cardinality changes:
  - `Header` was `{0,1}` and is now `{1,1}`.
  - `ContentDate` was `{0,1}` and is now `{1,1}`.
  - `FileContent` was `{0,1}` and is now `{1,1}`.
  - `RecordCount` was `{0,1}` and is now `{1,1}`.
- New or changed elements:
  - Added `OtherRegistrationAuthorityID` element to capture interim free-text registration authority information in the process of transition to a RACL entry.
  - Added `OtherLegalForm` element to capture interim free-text legal form information in the process of transition to an ELF standard code.
  - Added `TransliteratedOtherEntityNames` and `TransliteratedOtherAddresses`. These contain the name and address types dealing with transliteration, and their character content is now validated by the XML schema.
  - Added `EntityCategory`.
  - Added `ValidationAuthority`.
  - Added `OtherValidationAuthorities`.
  - `BusinessRegisterEntityID` replaced by `RegistrationAuthority`.
  - `Token500Type` replaced by `Tokenized500Type`, has minimum length of one character and may not contain any of: the carriage return (#xD), line feed (#xA) nor tab (#x9) characters, shall not begin or end with a space (#x20) character, or a sequence of two or more adjacent space characters.
  - All elements in the `lei:` namespace with base datatype `xs:dateTime` now strictly validate according to the `LEIDateTimeProfile` datatype. This enforces the restrictions specified in the LEI-CDF V1.0 documentation.
  - Added optional `AddressNumber`.
  - Added optional `AddressNumberWithinBuilding`.

- Added optional `MailRouting` address field; an optional free text address line to hold content from other address lines containing explicit routing information (presence indicates that this address is a routing / "care of" address).
- Replaced `Line1` by `FirstAddressLine` and `Line2` etc. by `AdditionalAddressLine`. The order of the content of these elements follows the order specified by the XML representation.
- The value of `RecordCount` can now only be equal to or greater than zero.

- New or changed attributes:
  - Updated `xml:lang` to specify use of the latest RFC from IETF BCP 47 (previously RFC 4646; now RFC 5646 at last schema update).
- New or changed enumerated values:
  - Following enumerations now validate strongly (only the specified values are allowed at a schema validation level; one element with a non-standard value cause the whole LEI data to fail validation):
    - `FileContentEnum`.
    - `EntityStatusEnum`.
    - `EntityExpirationReasonEnum`.
    - `RegistrationStatusEnum`.
    - `EntityNameTypeEnum`.
    - `AddressTypeEnum`.
    - `AssociatedEntityTypeEnum`.
    - `ValidationSourcesEnum`.
  - Following enumeration elements now validate by format (only values with the correct pattern of characters are accepted; conversely, however, some schema-valid character combinations may not be registered allowed values):
    - `RegistrationAuthority`.
    - `LegalForm`.
  - `BusinessRegisterEnum` replaced by `RegistrationAuthorityEnum`.
  - `COU_DELTA_PUBLISHED` replaced by `GLEIF_DELTA_PUBLISHED`.
  - `COU_FULL_PUBLISHED` replaced by `GLEIF_FULL_PUBLISHED`.
  - `OTHER_LEGAL` replaced by `ALTERNATIVE_LANGUAGE_LEGAL_NAME`.
- Added `PREVIOUS_LEGAL_NAME OtherEntityName` type.
- Added `TRADING_OR_OPERATING_NAME OtherEntityName` type.
- Added `TransliteratedOtherEntityNames` types:
  `PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME,`
  `AUTO_ASCII_TRANSLITERATED_LEGAL_NAME.`
- Added `TransliteratedOtherAddress` types:
  `AUTO_ASCII_TRANSLITERATED_LEGAL_ADDRESS,`
  `AUTO_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS,`

`PREFERRED_ASCII_TRANSLITERATED_LEGAL_ADDRESS,`
`PREFERRED_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS.`

- Documentation notes:
  - Replaced "pre-LOU" by "LOU" in documentation.
  - Renamed all enumeration elements, updating suffix "`Enum1.0`" to "`Enum`", indicating that these are the definitive enumerated values.

1.8. Change Management

Changes to this standard that affect the data schema SHALL be made by approval and publication of a new version of this document. A new version SHALL be one of the following:

Errata Version An errata version makes corrections to the normative content of the standard (excluding corrections which would change the data schema) and/or makes changes to non-normative content such as explanatory material. An errata version does not change the XML schema definitions, only the documentation parts, and so does not affect the interoperability of systems implementing the standard. An errata version is indicated by incrementing the third version number; e.g., 1.0 to 1.0.1, or 1.0.1 to 1.0.2.

1.8.1. Minor Version

A minor version may include all changes permitted in an errata version, and in addition adds one or more data elements and/or adds one or more codes to a code list (“enum” data type). A minor version changes the XML schema. Minor version changes to schema MUST provide for forward and backward compatibility. This allows existing implementations to continue to interoperate even if they are using different minor versions. A minor version is indicated by incrementing the second version number; e.g., 1.0 to 1.1 or 1.1.3 to 1.2.

1.8.2. Major Version

A major version may make any change at all, including incompatible changes to the XML schema. Major version changes to schema require that the new version uses a different XML namespace. This requires existing implementations to separately understand both the old and new versions during a period of transition. A major version is indicated by incrementing the first version number; e.g., 1.1 to 2.0.

The release of a new minor or major version shall always be accompanied by a transition plan for LOUs and GLEIF, to ensure a smooth and time-bounded migration to the new version.

1.8.3. Minor Version Changes to the XML Schema

A minor version may introduce new XML elements and/or adds one or more codes to a code list ("enum" data type). Minor version changes to schema SHALL be made as specified below, in order to achieve forward and backward compatibility.

Forward compatibility means that an LEI Data File which is valid according to the older version's schema is also valid according to the newer version's schema.

Backward compatibility means that an LEI Data File which is valid according to the newer version's schema is also valid according to the older version's schema.

New data elements may be added at pre-defined extension points within the schema, each with an optional XML element NextVersion. New data elements are always added within a NextVersion element. When a minor version adds a new data element to a `NextVersion` element, a new `NextVersion` element is also added inside the previously added `NextVersion` element, to accommodate additional data elements in subsequent minor versions. Each successive NextVersion element set is contained directly within the previous minor version's NextVersion set.

As can be seen from the full XML schema presented here, the following rules SHALL be observed to ensure forward and backward compatibility:

- The initial XSD declaration for a `NextVersion` element SHALL use the element name "NextVersion", XML data type "lei:NextVersion1Type" and cardinality optional, unique {0,1}. The XML data type allows a sequence of any elements, each of cardinality optional, repeatable (unbounded) and with lax content processing, but in the target namespace.
- The minOccurs declaration on the `NextVersion` element allows it to be omitted in files conforming to the first minor version. The schema wildcard xsd:any allows for forward compatibility: a file conforming to a new minor version still validates in the old version because the wildcard matches any new elements introduced in the new minor version.
- New elements SHALL be introduced in a subsequent minor version by modifying the declaration for the above type declaration as follows:
- A sequence of the new elements introduced in the previous version.
- A subsequent `NextVersionN` element where `N` is an index number starting at 1 and incremented by 1 with each minor version.
- Each new element SHALL be declared minOccurs="0", to ensure backward compatibility: a file conforming to the old version still validates in the new version because the new schema does not require the presence of elements not defined in the old version. If a new element is mandatory for conformance to the new version, this MUST be enforced outside schema validation.

- The new definition of the `NextVersion` element SHALL include a declaration of an inner `NextVersion` element, as illustrated above, to provide for additional elements in subsequent minor versions. The nesting of `NextVersion` elements is required to satisfy the “unique particle attribution” constraint of XSD 1.0.
- Each code list (Enum types) is implemented in the XML schema simply as the XSD string data type. This provides for forward compatibility because the schema for an older minor version will validate any string, including codes defined in newer minor versions. The schema for each minor version includes the list of valid codes for that minor version as a documentation annotation to the type declaration for each Enum type.

1.8.4. Major Version Changes to the XML Schema

A major version may make any change to the XML schema whatsoever, including incompatible changes.

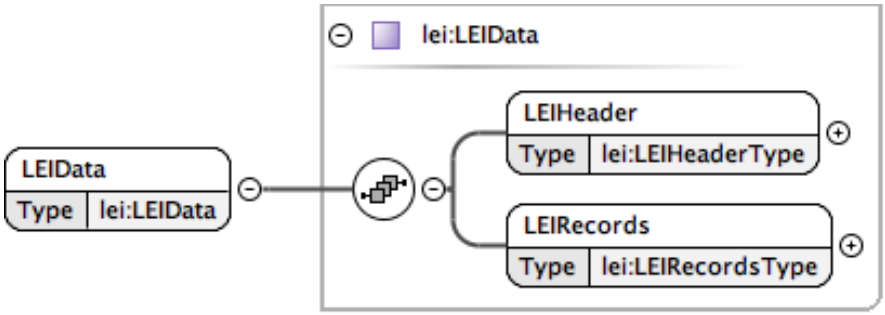
A schema introduced in a new major version SHALL use an XML namespace URI that is different from the XML namespace URI defined in any other major version of this standard. The namespace URI for a new major version SHOULD be the same as the namespace URI specified in this standard, with the year at the end changed to the year in which the new major version is introduced. If more than one major version is introduced in the same year, a letter “a”, “b”, “c”, etc., may be appended to the year as needed.

A new major version MUST be accompanied by an implementation plan which explains how implementations will make the transition from the old major version to the new major version. Generally speaking, such a plan typically provides for a period of transition in which an implementation capable of receiving the new major version is required to also receive the old major version.

2. Abstract Data Content

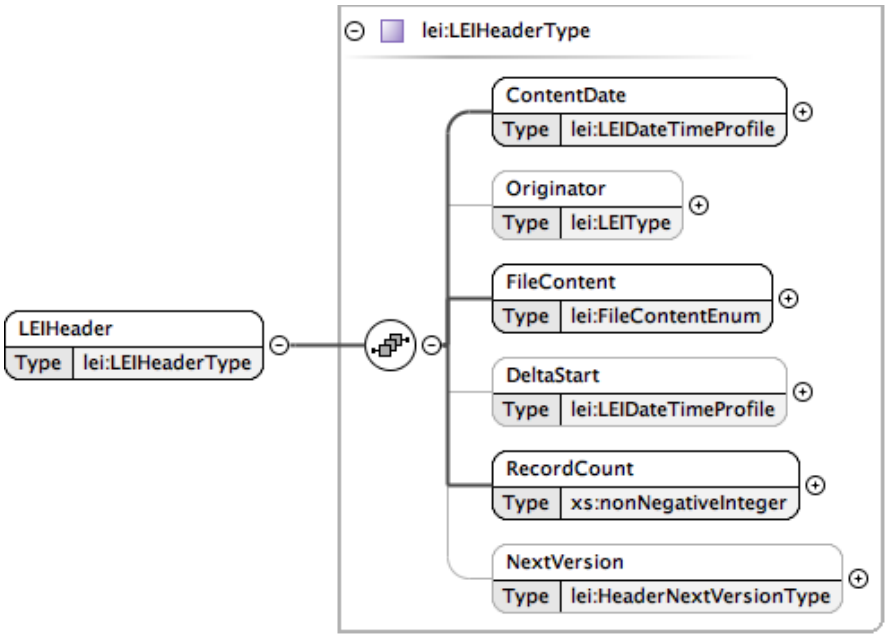
This section specifies the abstract data content of a data file conforming to this standard. A data file conforming to this standard SHALL consist of:

- A Header.
- Zero or more LEI Data Records.



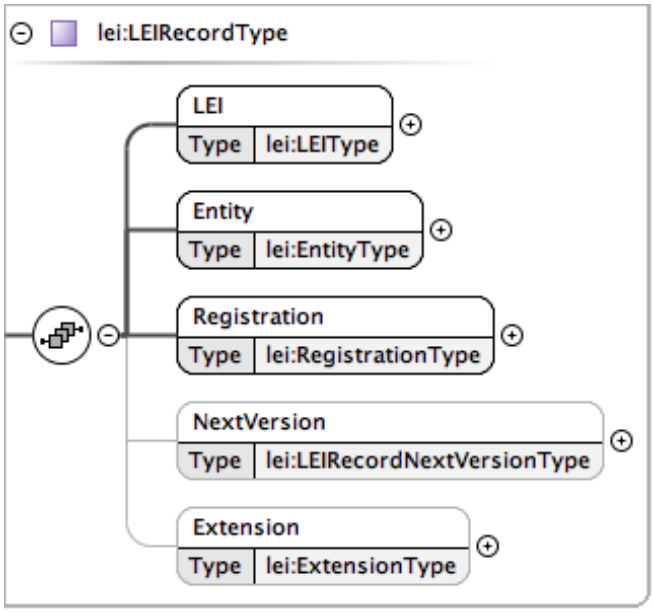
2.1. LEI File Header

The LEI File Header describes the context for the LEI Data Records contained in the main body of the file. The header exists to answer such questions as where the data came from, when it was collected into this file, etc. The content of the header SHALL NOT be required to interpret the data content of any LEI Data Record; each LEI Data Record is self-contained.



2.2. LEI Data Record

An LEI Data Record describes a single LEI registration. Each LEI Data record in a file conforming to this standard SHALL include data elements as described below:

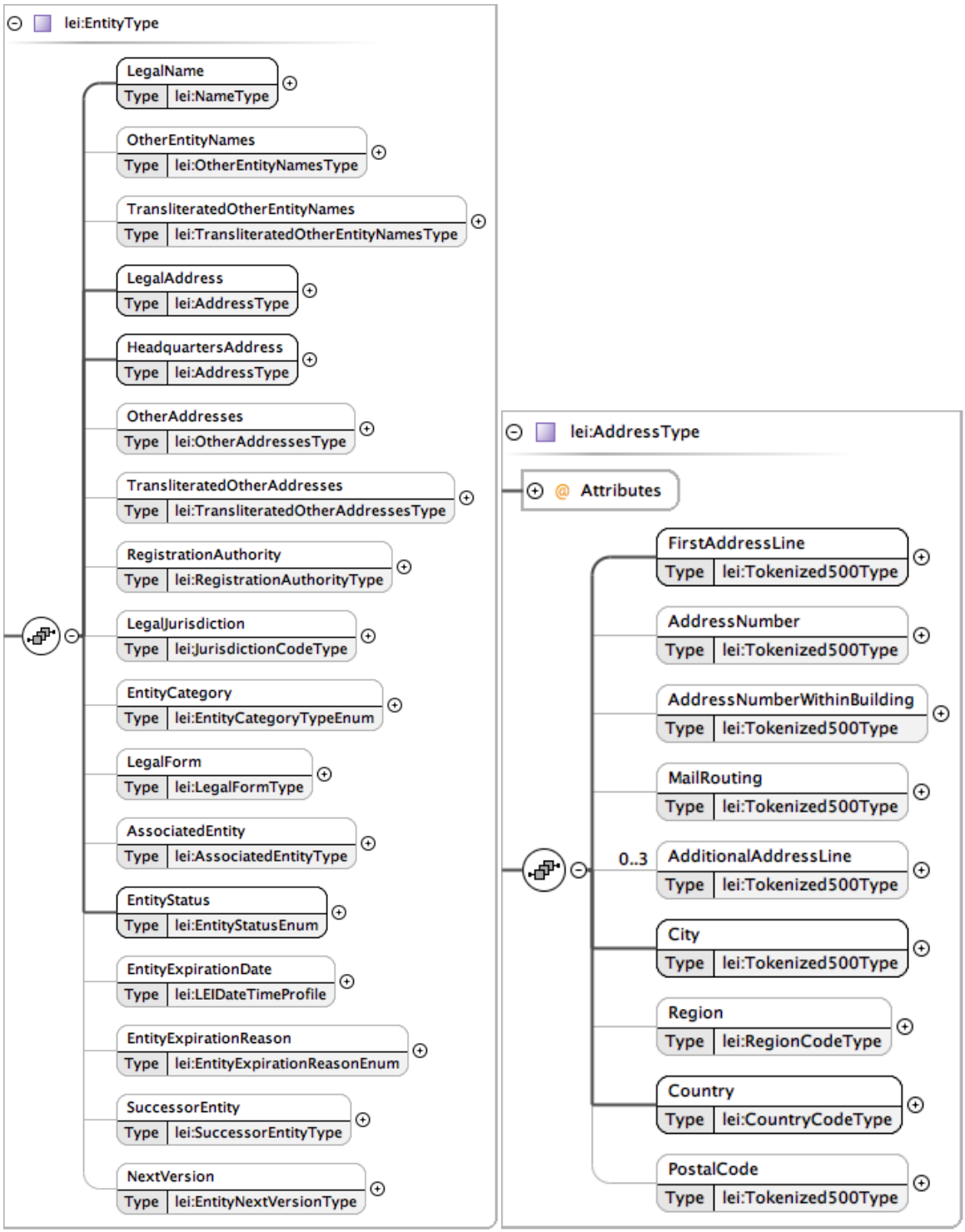


2.2.1. LEI

The ISO 17442-compliant LEI of the legal entity described by this LEI Data Record. The LEI is assigned by the LOU.
A value of type `LEIType` in a file conforming to this standard SHALL be a 20-character Legal Entity Identifier conforming to ISO 17422. Conformance to ISO17442 includes having correct check digits.

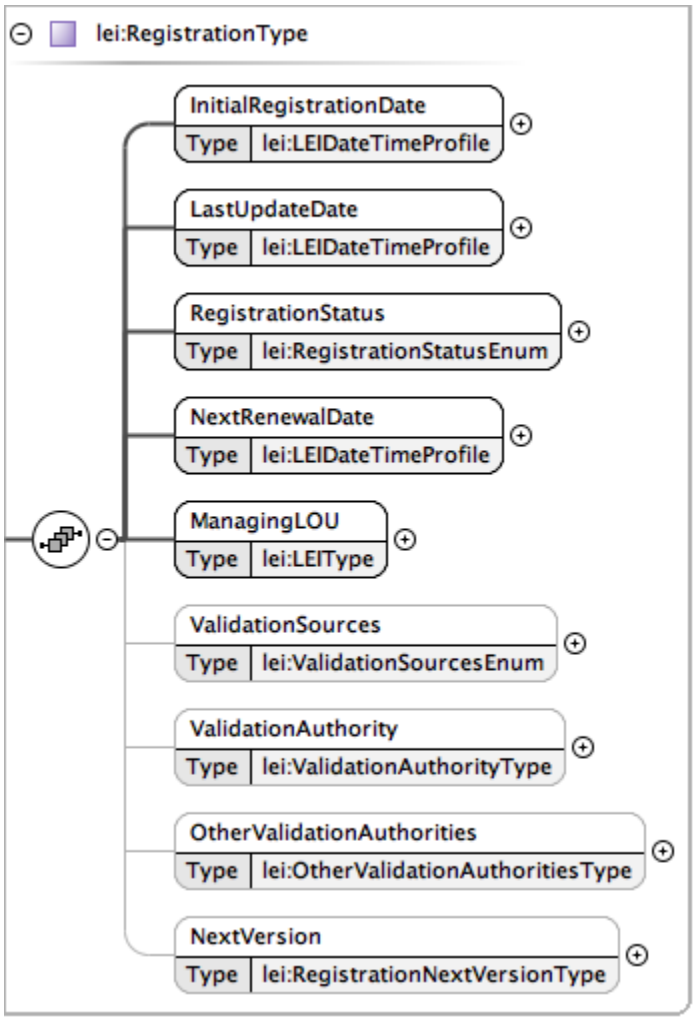
2.2.2. Entity

Attributes describing the legal entity itself. The `Entity` data is supplied by the legal entity, and recorded and published by the LOU.


lei:EntityType
LegalName
Type lei:NameType
OtherEntityNames
Type lei:OtherEntityNamesType
TransliteratedOtherEntityNames
Type lei:TransliteratedOtherEntityNamesType
LegalAddress
Type lei:AddressType
HeadquartersAddress
Type lei:AddressType
OtherAddresses
Type lei:OtherAddressesType
TransliteratedOtherAddresses
Type lei:TransliteratedOtherAddressesType
RegistrationAuthority
Type lei:RegistrationAuthorityType
LegalJurisdiction
Type lei:JurisdictionCodeType
EntityCategory
Type lei:EntityCategoryTypeEnum
LegalForm
Type lei:LegalFormType
AssociatedEntity
Type lei:AssociatedEntityType
EntityStatus
Type lei:EntityStatusEnum
EntityExpirationDate
Type lei:LEIDateTimeProfile
EntityExpirationReason
Type lei:EntityExpirationReasonEnum
SuccessorEntity
Type lei:SuccessorEntityType
NextVersion
Type lei:EntityNextVersionType
lei:AddressType
Attributes
FirstAddressLine
Type lei:Tokenized500Type
AddressNumber
Type lei:Tokenized500Type
AddressNumberWithinBuilding
Type lei:Tokenized500Type
MailRouting
Type lei:Tokenized500Type
0..3
AdditionalAddressLine
Type lei:Tokenized500Type
City
Type lei:Tokenized500Type
Region
Type lei:RegionCodeType
Country
Type lei:CountryCodeType
PostalCode
Type lei:Tokenized500Type

2.2.3. Registration

Attributes describing the registration of this LEI with an LOU. The `Registration` data is maintained by the LOU.



2.2.4. Extension

The optional `Extension` section of an LEI record may be used to include additional data not defined in this standard. This may include data specific to an LOU, data specific to a publisher of LEI data, and so on.
For example, an LOU may use `Extension` to publish additional data elements it collects as part of registration.
The following rules MUST be observed:

- Each XML element included in the content of the `Extension element` SHALL be in an XML namespace that is not null and not equal to the XML namespace of the LEI Data File as specified in this standard.
- The XML namespace for an `Extension` element SHALL be a namespace which the creator of the extension element exclusively or jointly controls, or from which the creator re-uses existing elements and their definitions, e.g. a namespace derived from the Internet Domain Name of the creator, a namespace agreed upon by a group of trading partners, etc.
- An `Extension` element SHALL NOT be defined in such a way as to require the recipient of the file to recognize the `Extension` element in order to interpret the data elements specified in this standard. A recipient of the file MUST be able to ignore all `Extension` elements and still interpret the standard content correctly.
- A recipient of a data file conforming to this standard SHALL NOT reject a file solely because it contains extensions not understood by the recipient. A recipient MUST be prepared to accept a file containing extensions and ignore any it does not understand, provided that the file complies to this standard.

2.3. Data Element Reference

On the following pages, the data elements, attributes and datatypes are listed, one per page.

2.3.1. Element lei:LEIData

Contains the file structure for the whole LEI data records file as specified in the XML datatypes below.

lei:LEIData

content **complex**

```
<lei:LEIData xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:LEIHeader>{1,1}</lei:LEIHeader>
  <lei:LEIRecords>{1,1}</lei:LEIRecords>
</lei:LEIData>
```

2.3.2. Element lei:LEIData / lei:LEIHeader

Contains the file upload information for this LEI data file.

lei:LEIHeaderType

content **complex**

```
<lei:LEIHeader xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:ContentDate>{1,1}</lei:ContentDate>
  <lei:Originator>{0,1}</lei:Originator>
  <lei:FileContent>{1,1}</lei:FileContent>
  <lei:DeltaStart>{0,1}</lei:DeltaStart>
  <lei:RecordCount>{1,1}</lei:RecordCount>
  <lei:NextVersion>{0,1}</lei:NextVersion>
</lei:LEIHeader>
```

2.3.3. Element lei:LEIHeaderType / lei:ContentDate

The date and time as of which the data contained in the file is valid.

lei:LEIDateTimeProfile

content **simple**

pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.4. Element lei:LEIHeaderType / lei:Originator

The LEI of the entity that created the content of this file.

lei:LEIType

content	**simple**
minOccurs	**0**
minLength	**20**
maxLength	**20**
pattern	**([0-9A-Z]{18}[0-9]{2})**

2.3.5. Element lei:LEIHeaderType / lei:FileContent

A code describing the content of this LEI data file.

lei:FileContentEnum

content **simple**

enumeration **LOU_FULL_PUBLISHED**	The file contains all LEI Data Records published by an LOU (all LEI Data Records for which the LOU is the `ManagingLOU`) as of the date/time the file is created.
enumeration **LOU_DELTA_PUBLISHED**	The file contains those LEI Data Records published by an LOU (all LEI Data Records for which the LOU is the `ManagingLOU`) which are new or changed since the `DeltaStart` date specified in the header, as of the date/time the file is created.
enumeration **GLEIF_FULL_PUBLISHED**	The file contains all LEI Data Records published by GLEIF (including all LEI Data Records from all LOUs) as of the date/time the file is created.
enumeration **GLEIF_DELTA_PUBLISHED**	The file contains those LEI Data Records published by GLEIF (including all LEI Data Records from all LOUs) which are new or changed since the `DeltaStart` specified in the header, as of the date/time the file is created.
enumeration **QUERY_RESPONSE**	The file contains records matching criteria specified in a query.

2.3.6. Element lei:LEIHeaderType / lei:DeltaStart

The date and time of the baseline relative to which this file contains new or changed LEI data records.

lei:LEIDateTimeProfile

content	**simple**
minOccurs	**0**
pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.7. Element lei:LEIHeaderType / lei:RecordCount

The number of LEI data records in the file. Can be a positive whole (integer) number, or zero (0).

xs:nonNegativeInteger

content **simple**

2.3.8. Element lei:LEIHeaderType / lei:NextVersion

A structure for adding further elements in to the LEI data file header in anticipation of a new version, by nesting a series of XML elements with this content model within the `NextVersion` element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.

lei:HeaderNextVersionType

content **complex**

minOccurs **0**

2.3.9. Element lei:LEIData / lei:LEIRecords

Container for all of the `LEIRecord` elements submitted with this file.

lei:LEIRecordsType

content **complex**

```
<lei:LEIRecords xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:LEIRecord>{0,unbounded}</lei:LEIRecord>
</lei:LEIRecords>
```

2.3.10. Element lei:LEIRecordsType / lei:LEIRecord

Contains all LEI reference data including details of the LEI's registration with the `ManagingLOU`.

lei:LEIRecordType

content **complex**

minOccurs **0**

maxOccurs **unbounded**

```
<lei:LEIRecord xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:LEI>{1,1}</lei:LEI>
  <lei:Entity>{1,1}</lei:Entity>
  <lei:Registration>{1,1}</lei:Registration>
  <lei:NextVersion>{0,1}</lei:NextVersion>
  <lei:Extension>{0,1}</lei:Extension>
</lei:LEIRecord>
```

2.3.11. Element lei:LEIRecordType / lei:LEI

The ISO 17442 compatible identifier for the legal entity described in the `Entity` section.

lei:LEIType

content **simple**

minLength	**20**
maxLength	**20**
pattern	**([0-9A-Z]{18}[0-9]{2})**

2.3.12. Element lei:LEIRecordType / lei:Entity

The Entity container element contains the legal entity's reference data, enabling identification.

lei:EntityType

content **complex**

```
<lei:Entity xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:LegalName xml:lang="">{1,1}</lei:LegalName>
  <lei:OtherEntityNames>{0,1}</lei:OtherEntityNames>

<lei:TransliteratedOtherEntityNames>{0,1}</lei:TransliteratedOtherEntityNa
mes>
  <lei:LegalAddress xml:lang="">{1,1}</lei:LegalAddress>
  <lei:HeadquartersAddress xml:lang="">{1,1}</lei:HeadquartersAddress>
  <lei:OtherAddresses>{0,1}</lei:OtherAddresses>

<lei:TransliteratedOtherAddresses>{0,1}</lei:TransliteratedOtherAddresses>
  <lei:RegistrationAuthority>{0,1}</lei:RegistrationAuthority>
  <lei:LegalJurisdiction>{0,1}</lei:LegalJurisdiction>
  <lei:EntityCategory>{0,1}</lei:EntityCategory>
  <lei:LegalForm>{0,1}</lei:LegalForm>
  <lei:AssociatedEntity type="">{0,1}</lei:AssociatedEntity>
  <lei:EntityStatus>{1,1}</lei:EntityStatus>
  <lei:EntityExpirationDate>{0,1}</lei:EntityExpirationDate>
  <lei:EntityExpirationReason>{0,1}</lei:EntityExpirationReason>
  <lei:SuccessorEntity>{0,1}</lei:SuccessorEntity>
  <lei:NextVersion>{0,1}</lei:NextVersion>
</lei:Entity>
```

2.3.13. Element lei:EntityType / lei:LegalName

The legal name of the entity.

lei:NameType

content **complex**

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.14. Element lei:EntityType / lei:OtherEntityNames

An optional list of other names (excluding transliterations) for the legal entity.

lei:OtherEntityNamesType

content **complex**

minOccurs **0**

```
<lei:OtherEntityNames
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:OtherEntityName xml:lang=""
type="">{1,unbounded}</lei:OtherEntityName>
</lei:OtherEntityNames>
```

2.3.15. Element lei:OtherEntityNamesType / lei:OtherEntityName

An alternative name or representation of a name for the legal entity, excluding transliterations.

lei:OtherEntityNameType

content **complex**

maxOccurs **unbounded**

Attribute	Type	Use	Annotation
type	**lei:EntityNameTypeEnum**	required	Type of alternative name for the legal entity.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.16. Element lei:EntityType / lei:TransliteratedOtherEntityNames

An optional list of ASCII-transliterated (i.e. Latin- or Romanized) representations of names for the legal entity.

lei:TransliteratedOtherEntityNamesType

content **complex**

minOccurs **0**

```
<lei:TransliteratedOtherEntityNames
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:TransliteratedOtherEntityName xml:lang=""
type="">{1,unbounded}</lei:TransliteratedOtherEntityName>
</lei:TransliteratedOtherEntityNames>
```

2.3.17. Element lei:TransliteratedOtherEntityNamesType / lei:TransliteratedOtherEntityName

lei:TransliteratedOtherEntityNameType

content **complex**

maxOccurs **unbounded**

Attribute	Type	Use	Annotation
type	**lei:TransliteratedEntityNameTypeEnum**	required	Type of alternative name for the legal entity.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.18. Element lei:EntityType / lei:LegalAddress

The address of the entity as recorded in the registration of the entity in its legal jurisdiction.

lei:AddressType

content **complex**

```
<lei:LegalAddress xml:lang=""
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:FirstAddressLine>{1,1}</lei:FirstAddressLine>
  <lei:AddressNumber>{0,1}</lei:AddressNumber>
  <lei:AddressNumberWithinBuilding>{0,1}</lei:AddressNumberWithinBuilding>
  <lei:MailRouting>{0,1}</lei:MailRouting>
  <lei:AdditionalAddressLine>{0,3}</lei:AdditionalAddressLine>
  <lei:City>{1,1}</lei:City>
  <lei:Region>{0,1}</lei:Region>
  <lei:Country>{1,1}</lei:Country>
  <lei:PostalCode>{0,1}</lei:PostalCode>
</lei:LegalAddress>
```

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.19. Element lei:AddressType / lei:FirstAddressLine

The mandatory first address line element.

lei:Tokenized500Type

content **simple**

minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.20. Element lei:AddressType / lei:AddressNumber

Optional, additional structured version of an external house number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g. 221B).

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.21. Element lei:AddressType / lei:AddressNumberWithinBuilding

Optional, additional structured version of an internal location number, or range of numbers, contained in one of the address line elements.This could be a numeral, a letter or code made up of mixed characters (e.g. 13) of a floor, suite or apartment within a building identified e.g. by an `AddressNumber` element.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.22. Element lei:AddressType / lei:MailRouting

Optional free text address line to hold content from other address lines containing explicit routing information (this element's presence indicates that this address is a routing / "care of" address.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.23. Element lei:AddressType / lei:AdditionalAddressLine

One to three optional additional address line elements.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
maxOccurs	**3**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.24. Element lei:AddressType / lei:City

The mandatory name of the city.

lei:Tokenized500Type

content **simple**

minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.25. Element lei:AddressType / lei:Region

The (optional) 4- to 6-character ISO 3166-2 region code of the region.

lei:RegionCodeType

content	**simple**
minOccurs	**0**
minLength	**4**
maxLength	**6**
pattern	**([A-Z]{2}-[A-Z0-9]{1,3})**

2.3.26. Element lei:AddressType / lei:Country

The 2-character ISO 3166-1 country code of the country.

lei:CountryCodeType

content **simple**

minLength	**2**
maxLength	**2**
pattern	**([A-Z]{2})**

2.3.27. Element lei:AddressType / lei:PostalCode

The (optional) postal code of this address as specified by the local postal service.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.28. Element lei:EntityType / lei:HeadquartersAddress

The address of the headquarters of the Entity.

lei:AddressType

content **complex**

```
<lei:HeadquartersAddress xml:lang=""
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:FirstAddressLine>{1,1}</lei:FirstAddressLine>
  <lei:AddressNumber>{0,1}</lei:AddressNumber>
  <lei:AddressNumberWithinBuilding>{0,1}</lei:AddressNumberWithinBuilding>
  <lei:MailRouting>{0,1}</lei:MailRouting>
  <lei:AdditionalAddressLine>{0,3}</lei:AdditionalAddressLine>
  <lei:City>{1,1}</lei:City>
  <lei:Region>{0,1}</lei:Region>
  <lei:Country>{1,1}</lei:Country>
  <lei:PostalCode>{0,1}</lei:PostalCode>
</lei:HeadquartersAddress>
```

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.29. Element lei:EntityType / lei:OtherAddresses

An optional list of other addresses for the legal entity, excluding transliterations.

lei:OtherAddressesType

content **complex**

minOccurs **0**

```
<lei:OtherAddresses
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:OtherAddress xml:lang="" type="">{1,unbounded}</lei:OtherAddress>
</lei:OtherAddresses>
```

2.3.30. Element lei:OtherAddressesType / lei:OtherAddress

An alternative address for the legal entity excluding transliterations.

lei:OtherAddressType

content **complex**

maxOccurs **unbounded**

```
<lei:OtherAddress xml:lang="" type=""
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:FirstAddressLine>{1,1}</lei:FirstAddressLine>
  <lei:AddressNumber>{0,1}</lei:AddressNumber>
  <lei:AddressNumberWithinBuilding>{0,1}</lei:AddressNumberWithinBuilding>
  <lei:MailRouting>{0,1}</lei:MailRouting>
  <lei:AdditionalAddressLine>{0,3}</lei:AdditionalAddressLine>
  <lei:City>{1,1}</lei:City>
  <lei:Region>{0,1}</lei:Region>
  <lei:Country>{1,1}</lei:Country>
  <lei:PostalCode>{0,1}</lei:PostalCode>
</lei:OtherAddress>
```

Attribute	Type	Use	Annotation
type	**lei:AddressTypeEnum**	required	The type of address represented by this `OtherAddress` instance.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.31. Element lei:EntityType / lei:TransliteratedOtherAddresses

An optional list of transliterated addresses for the legal entity.

Business rules: N/A.

lei:TransliteratedOtherAddressesType

content **complex**

minOccurs **0**

```
<lei:TransliteratedOtherAddresses
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:TransliteratedOtherAddress xml:lang=""
type="">{1,unbounded}</lei:TransliteratedOtherAddress>
</lei:TransliteratedOtherAddresses>
```

2.3.32. Element lei:TransliteratedOtherAddressesType / lei:TransliteratedOtherAddress

A transliterated version of one of the addresses for the legal entity.

lei:TransliteratedOtherAddressType

content **complex**

maxOccurs **unbounded**

```
<lei:TransliteratedOtherAddress xml:lang="" type=""
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:FirstAddressLine>{1,1}</lei:FirstAddressLine>
  <lei:AddressNumber>{0,1}</lei:AddressNumber>
  <lei:AddressNumberWithinBuilding>{0,1}</lei:AddressNumberWithinBuilding>
  <lei:MailRouting>{0,1}</lei:MailRouting>
  <lei:AdditionalAddressLine>{0,3}</lei:AdditionalAddressLine>
  <lei:City>{1,1}</lei:City>
  <lei:Region>{0,1}</lei:Region>
  <lei:Country>{1,1}</lei:Country>
  <lei:PostalCode>{0,1}</lei:PostalCode>
</lei:TransliteratedOtherAddress>
```

Attribute	Type	Use	Annotation
type	**lei:TransliteratedAddressTypeEnum**	required	Type of alternative name for the legal entity.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/la

	ng-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.33. Element lei:TransliteratedAddressType / lei:FirstAddressLine

The mandatory first address line element.

lei:TransliteratedStringType

content **simple**

minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|- |\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L| |M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n |o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.34. Element lei:TransliteratedAddressType / lei:AddressNumber

Optional, additional structured version of an external house number, or range of numbers, contained in one of the address line elements.

lei:TransliteratedStringType

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|- |\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L| |M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n |o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.35. Element lei:TransliteratedAddressType / lei:AddressNumberWithinBuilding

Optional, additional structured version of an internal location number, or range of numbers, contained in one of the address line elements.

lei:TransliteratedStringType

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|-|\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L||M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n|o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.36. Element lei:TransliteratedAddressType / lei:MailRouting

Optional free text address line to hold content from other address lines containing explicit routing information (this element's presence indicates that this address is a routing / "care of" address.

lei:TransliteratedStringType

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|-|\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L||M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n|o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.37. Element lei:TransliteratedAddressType / lei:AdditionalAddressLine

Optional additional address line elements.

lei:TransliteratedStringType

content	**simple**
minOccurs	**0**
maxOccurs	**3**
minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|- |\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L| |M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n |o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.38. Element lei:TransliteratedAddressType / lei:City

The mandatory name of the city.

lei:TransliteratedStringType

content **simple**

minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|- |\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L| |M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n |o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.39. Element lei:TransliteratedAddressType / lei:Region

The (optional) 4- to 6-character ISO 3166-2 region code of the region.

lei:RegionCodeType

content	**simple**
minOccurs	**0**
minLength	**4**
maxLength	**6**
pattern	**([A-Z]{2}-[A-Z0-9]{1,3})**

2.3.40. Element lei:TransliteratedAddressType / lei:Country

The 2-character ISO 3166-1 country code of the country.

lei:CountryCodeType

content **simple**

minLength	**2**
maxLength	**2**
pattern	**([A-Z]{2})**

2.3.41. Element lei:TransliteratedAddressType / lei:PostalCode

The (optional) postal code of this address as specified by the local postal service.

lei:TransliteratedStringType

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|- |\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L| |M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n |o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.42. Element lei:EntityType / lei:RegistrationAuthority

An identifier for the legal entity in a business registry in the jurisdiction of legal registration, or in the appropriate registration authority.

lei:RegistrationAuthorityType

content **complex**

minOccurs **0**

```
<lei:RegistrationAuthority
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:RegistrationAuthorityID>{1,1}</lei:RegistrationAuthorityID>

<lei:OtherRegistrationAuthorityID>{0,1}</lei:OtherRegistrationAuthorityID>

<lei:RegistrationAuthorityEntityID>{0,1}</lei:RegistrationAuthorityEntityI
D>
</lei:RegistrationAuthority>
```

2.3.43. Element lei:RegistrationAuthorityType / lei:RegistrationAuthorityID

The reference code of the registration authority, taken from the Registration Authorities Code List maintained by GLEIF.

lei:RegistrationAuthorityEnum

content **simple**

pattern **RA\d{6}**

2.3.44. Element lei:RegistrationAuthorityType / lei:OtherRegistrationAuthorityID

A legacy / historical reference code of a registration authority which is not yet entered in the Registration Authorities Code List (RACL) maintained by GLEIF, or the designation of an interim register until such time as an entry from RACL can be delivered.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.45. Element lei:RegistrationAuthorityType / lei:RegistrationAuthorityEntityID

The identifier of the entity at the indicated registration authority. Typically, the identifier of the legal entity as maintained by a business registry in the jurisdiction of legal registration, or if the entity is one that is not recorded in a business registry (e.g. one of the varieties of funds registered instead with financial regulators), the identifier of the entity in the appropriate registration authority.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.46. Element lei:EntityType / lei:LegalJurisdiction

The jurisdiction of legal formation and registration of the entity (and upon which the `LegalForm` data element is also dependent). Please note that the XML schema validates the format of `LegalJurisdiction` codes but not the specific codes conforming to the ISO standards it reequires.

lei:JurisdictionCodeType

content **simple**

minOccurs **0**

2.3.47. Element lei:EntityType / lei:EntityCategory

Indicates (where applicable) the category of entity identified by this LEI data record, as a more specific category within the broad definition given in ISO 17442. These categories are based on use cases specified in LEI-ROC policies, found at http://www.leiroc.org/list/leiroc_gls/index.htm

lei:EntityCategoryTypeEnum

content **simple**

minOccurs **0**

enumeration **BRANCH**	The legal entity is a branch of another legal entity.
enumeration **FUND**	The legal entity is a fund managed by another legal entity.
enumeration **SOLE_PROPRIETOR**	The legal entity is an individual acting in a business capacity.

2.3.48. Element lei:EntityType / lei:LegalForm

The legal form of the entity, taken from the ISO Entity Legal Form (ELF) code list maintained by GLEIF. Please note that the XML schema validates the format of `LegalForm` codes but not the specific codes conforming to the ISO standard it reequires.

lei:LegalFormType

content **complex**

minOccurs **0**

```
<lei:LegalForm xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:EntityLegalFormCode>{1,1}</lei:EntityLegalFormCode>
  <lei:OtherLegalForm>{0,1}</lei:OtherLegalForm>
</lei:LegalForm>
```

2.3.49. Element lei:LegalFormType / lei:EntityLegalFormCode

A current code from the GLEIF-maintained list MUST be used. Values of the LegalFormEnum code list are maintained by ISO / GLEIF through the Entity Legal Form (ELF), available from http://www.gleif.org.

lei:LegalFormEnum

content **simple**	
pattern	**(([A-Z][A-Z0-9]{3}|[A-Z0-9][A-Z][A-Z0-9]{2}|[A-Z0-9]{2}[A-Z][A-Z0-9]|[A-Z0-9]{3}[A-Z]))|(9999)|(8888)**

2.3.50. Element lei:LegalFormType / lei:OtherLegalForm

A legacy code or textual description for the legal entity's legal form, used until a current code from the GLEIF-maintained list can be used.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.51. Element lei:EntityType / lei:AssociatedEntity

Another entity associated with this entity if needed to fully identify this entity or to place it in an appropriate context.

lei:AssociatedEntityType

content **complex**

minOccurs **0**

```
<lei:AssociatedEntity type=""
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:AssociatedLEI>{1,1}</lei:AssociatedLEI>
  <lei:AssociatedEntityName xml:lang="">{1,1}</lei:AssociatedEntityName>
</lei:AssociatedEntity>
```

Attribute	Type	Use	Annotation
type	**lei:AssociatedEntityTypeEnum**	required	The type of association represented by this AssociatedEntity instance.

2.3.52. Element lei:AssociatedEntityType / lei:AssociatedLEI

The LEI of an entity associated with the LEI of this registration.

lei:LEIType

content **simple**

minLength	**20**
maxLength	**20**
pattern	**([0-9A-Z]{18}[0-9]{2})**

2.3.53. Element lei:AssociatedEntityType / lei:AssociatedEntityName

The name of an entity associated with the LEI of this registration.

lei:NameType

content **complex**

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.54. Element lei:EntityType / lei:EntityStatus

The operational and/or legal registration status of the entity (may be `ACTIVE` or `INACTIVE`).

lei:EntityStatusEnum

content **simple**

enumeration **ACTIVE**	As of the last report or update, the legal entity reported that it was legally registered and operating.
enumeration **INACTIVE**	It has been determined that the entity that was assigned the LEI is no longer legally registered and/or operating, whether as a result of business closure, acquisition by or merger with another (or new) entity, or determination of illegitimacy.

2.3.55. Element lei:EntityType / lei:EntityExpirationDate

The date that the legal entity ceased to operate, whether due to dissolution, merger or acquisition.

lei:LEIDateTimeProfile

content	**simple**
minOccurs	**0**
pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.56. Element lei:EntityType / lei:EntityExpirationReason

The reason that a legal entity ceased to exist and/or operate.

lei:EntityExpirationReasonEnum

content **simple**

minOccurs **0**

enumeration **DISSOLVED**	The entity ceased to operate.
enumeration **CORPORATE_ACTION**	The entity was acquired or merged with another entity.
enumeration **OTHER**	The reason for expiry is neither of `DISSOLVED` nor `CORPORATE_ACTION`

2.3.57. Element lei:EntityType / lei:SuccessorEntity

The surviving/new legal entity which continues/replaces this registration.

lei:SuccessorEntityType

content **complex**

minOccurs **0**

```
<lei:SuccessorEntity
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:SuccessorLEI>{1,1}</lei:SuccessorLEI>
  <lei:SuccessorEntityName xml:lang="">{1,1}</lei:SuccessorEntityName>
</lei:SuccessorEntity>
```

2.3.58. Element lei:SuccessorEntityType / lei:SuccessorLEI

The LEI of the successor entity.

lei:LEIType

content **simple**

minLength	**20**
maxLength	**20**
pattern	**([0-9A-Z]{18}[0-9]{2})**

2.3.59. Element lei:SuccessorEntityType / lei:SuccessorEntityName

The name of the successor entity.

lei:NameType

content **complex**

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.60. Element lei:EntityType / lei:NextVersion

A structure for adding further elements in to the `Entity` section of the LEI data record in anticipation of a new version, by nesting a series of XML elements with this content model within the `NextVersion` element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.

lei:EntityNextVersionType

content **complex**

minOccurs **0**

2.3.61. Element lei:LEIRecordType / lei:Registration

The `Registration` container element contains all information on the legal entity's LEI registration with the `ManagingLOU`.

lei:RegistrationType

content **complex**

```
<lei:Registration
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:InitialRegistrationDate>{1,1}</lei:InitialRegistrationDate>
  <lei:LastUpdateDate>{1,1}</lei:LastUpdateDate>
  <lei:RegistrationStatus>{1,1}</lei:RegistrationStatus>
  <lei:NextRenewalDate>{1,1}</lei:NextRenewalDate>
  <lei:ManagingLOU>{1,1}</lei:ManagingLOU>
  <lei:ValidationSources>{0,1}</lei:ValidationSources>
  <lei:ValidationAuthority>{0,1}</lei:ValidationAuthority>
  <lei:OtherValidationAuthorities>{0,1}</lei:OtherValidationAuthorities>
  <lei:NextVersion>{0,1}</lei:NextVersion>
</lei:Registration>
```

2.3.62. Element lei:RegistrationType / lei:InitialRegistrationDate

Date/time the LEI record was created.

lei:LEIDateTimeProfile

content **simple**

pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.63. Element lei:RegistrationType / lei:LastUpdateDate

Date/time the LEI record was most recently updated.

lei:LEIDateTimeProfile

content **simple**

pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.64. Element lei:RegistrationType / lei:RegistrationStatus

The status of the legal entity's LEI registration with the `ManagingLOU`.

lei:RegistrationStatusEnum

content **simple**

enumeration **PENDING_VALIDATION**	An application for an LEI that has been submitted and which is being processed and validated.
enumeration **ISSUED**	An LEI Registration that has been validated and issued, and which identifies an entity that was an operating legal entity as of the last update.
enumeration **DUPLICATE**	An LEI Registration that has been determined to be a duplicate registration of the same legal entity as another LEI Registration; the DUPLICATE status is assigned to the non-surviving registration (i.e. the LEI that should no longer be used).
enumeration **LAPSED**	An LEI registration that has not been renewed by the `NextRenewalDate` and is not known by public sources to have ceased operation.
enumeration **MERGED**	An LEI registration for an entity that has been merged into another legal entity, such that this legal entity no longer exists as an operating entity.
enumeration **RETIRED**	An LEI registration for an entity that has ceased operation, without having been merged into another entity.
enumeration **ANNULLED**	An LEI registration that was marked as erroneous or invalid after it was issued
enumeration **CANCELLED**	An LEI registration that was abandoned prior to issuance of an LEI

enumeration **TRANSFERRED**	An LEI registration that has been transferred to a different LOU as the managing LOU.
enumeration **PENDING_TRANSFER**	An LEI registration that has been requested to be transferred to another LOU. The request is being processed at the sending LOU
enumeration **PENDING_ARCHIVAL**	An LEI registration is about to be transferred to a different LOU, after which its registration status will revert to a non-pending status.

2.3.65. Element lei:RegistrationType / lei:NextRenewalDate

The next date by which the LEI registration should be renewed and re-certified by the legal entity.

lei:LEIDateTimeProfile

content **simple**

pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.66. Element lei:RegistrationType / lei:ManagingLOU

The LEI of the LOU that is responsible for administering this LEI registration.

lei:LEIType

content **simple**

minLength	**20**
maxLength	**20**
pattern	**([0-9A-Z]{18}[0-9]{2})**

2.3.67. Element lei:RegistrationType / lei:ValidationSources

The level of validation of the reference data provided by the registrant.

lei:ValidationSourcesEnum

content **simple**

minOccurs **0**

enumeration **PENDING**	The validation of the reference data provided by the registrant has not yet occurred.
enumeration **ENTITY_SUPPLIED_ONLY**	Based on the validation procedures in use by the LOU responsible for the record, the information associated with this record has significant reliance on the information that a submitter provided due to the unavailability of corroborating information.
enumeration **PARTIALLY_CORROBORATED**	Based on the validation procedures in use by the LOU responsible for the record, the information supplied by the registrant can be partially corroborated by public authoritative sources, while some of the record is dependent upon the information that the registrant submitted, either due to conflicts with authoritative information, or due to data unavailability.
enumeration **FULLY_CORROBORATED**	Based on the validation procedures in use by the LOU responsible for the record, there is sufficient information contained in authoritative public sources to corroborate the information that the submitter has provided for the record.

2.3.68. Element lei:RegistrationType / lei:ValidationAuthority

The (primary) registration authority used by the LOU to validate the entity data.

lei:ValidationAuthorityType

content **complex**

minOccurs **0**

```
<lei:ValidationAuthority
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:ValidationAuthorityID>{1,1}</lei:ValidationAuthorityID>
  <lei:OtherValidationAuthorityID>{0,1}</lei:OtherValidationAuthorityID>
  <lei:ValidationAuthorityEntityID>{0,1}</lei:ValidationAuthorityEntityID>
</lei:ValidationAuthority>
```

2.3.69. Element lei:ValidationAuthorityType / lei:ValidationAuthorityID

The reference code of the registration authority, taken from the Registration Authorities Code List (RACL) maintained by GLEIF.

lei:RegistrationAuthorityEnum

content **simple**

pattern **RA\d{6}**

2.3.70. Element lei:ValidationAuthorityType / lei:OtherValidationAuthorityID

A legacy / historical reference code of a registration authority which is not yet entered in the Registration Authorities Code List (RACL) maintained by GLEIF, or the designation of an interim register until such time as an entry from RACL can be delivered.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.71. Element lei:ValidationAuthorityType / lei:ValidationAuthorityEntityID

The identifier of the entity at the indicated registration authority. Typically, the identifier of the legal entity as maintained by a business registry in the jurisdiction of legal registration, or if the entity is one that is not recorded in a business registry (e.g. one of the varieties of funds registered instead with financial regulators), the identifier of the entity in the appropriate registration authority.

lei:Tokenized500Type

content	**simple**
minOccurs	**0**
minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.72. Element lei:RegistrationType / lei:OtherValidationAuthorities

An optional list of additional registration authorities used by the LEI Issuer to validate the entity data.

lei:OtherValidationAuthoritiesType

content **complex**

minOccurs **0**

```
<lei:OtherValidationAuthorities
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">

<lei:OtherValidationAuthority>{0,unbounded}</lei:OtherValidationAuthority>
</lei:OtherValidationAuthorities>
```

2.3.73. Element lei:OtherValidationAuthoritiesType / lei:OtherValidationAuthority

An additional registration authority used by the LOU to validate the entity data.

lei:ValidationAuthorityType

content **complex**

minOccurs **0**

maxOccurs **unbounded**

```
<lei:OtherValidationAuthority
xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <lei:ValidationAuthorityID>{1,1}</lei:ValidationAuthorityID>
  <lei:OtherValidationAuthorityID>{0,1}</lei:OtherValidationAuthorityID>
  <lei:ValidationAuthorityEntityID>{0,1}</lei:ValidationAuthorityEntityID>
</lei:OtherValidationAuthority>
```

2.3.74. Element lei:RegistrationType / lei:NextVersion

A structure for adding further elements in to the `Registration` section of the LEI Data Record in anticipation of a new version, by nesting a series of XML elements with this content model within the `NextVersion` element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.

lei:RegistrationNextVersionType

content **complex**

minOccurs **0**

2.3.75. Element lei:LEIRecordType / lei:NextVersion

A structure for adding further elements in to the LEI Data Record in anticipation of a new version, by nesting a series of XML elements with this content model within the `NextVersion` element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.

lei:LEIRecordNextVersionType

content **complex**

minOccurs **0**

2.3.76. Element lei:LEIRecordType / lei:Extension

This lei:Extension element may contain any additional elements required to extend the LEIRecord.

lei:ExtensionType

content **complex**

minOccurs **0**

2.3.77. Simple Type lei:LEIDateTimeProfile

restriction of **xs:dateTime**

pattern	**([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))**

2.3.78. Simple Type lei:LEIType

restriction of **xs:string**

minLength	**20**
maxLength	**20**
pattern	**([0-9A-Z]{18}[0-9]{2})**

2.3.79. Simple Type lei:FileContentEnum

restriction of **xs:string**

enumeration **LOU_FULL_PUBLISHED**	The file contains all LEI Data Records published by an LOU (all LEI Data Records for which the LOU is the `ManagingLOU`) as of the date/time the file is created.
enumeration **LOU_DELTA_PUBLISHED**	The file contains those LEI Data Records published by an LOU (all LEI Data Records for which the LOU is the `ManagingLOU`) which are new or changed since the `DeltaStart` date specified in the header, as of the date/time the file is created.
enumeration **GLEIF_FULL_PUBLISHED**	The file contains all LEI Data Records published by GLEIF (including all LEI Data Records from all LOUs) as of the date/time the file is created.
enumeration **GLEIF_DELTA_PUBLISHED**	The file contains those LEI Data Records published by GLEIF (including all LEI Data Records from all LOUs) which are new or changed since the `DeltaStart` specified in the header, as of the date/time the file is created.
enumeration **QUERY_RESPONSE**	The file contains records matching criteria specified in a query.

2.3.80. Complex Type lei:NameType

extension of **lei:Tokenized500Type**

xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.81. Simple Type lei:Tokenized500Type

An element of this type has minimum length of one character and may not contain any of: the carriage return (#xD), line feed (#xA) nor tab (#x9) characters, shall not begin or end with a space (#x20) character, or a sequence of two or more adjacent space characters.

restriction of **xs:string**

minLength	**1**
maxLength	**500**
pattern	**\S+(\S+)***

2.3.82. Complex Type lei:OtherEntityNameType

extension of **lei:NameType**

Attribute	Type	Use	Annotation
type	**lei:EntityNameTypeEnum**	required	Type of alternative name for the legal entity.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.83. Simple Type lei:EntityNameTypeEnum

restriction of **xs:string**

enumeration **ALTERNATIVE_LANGUAGE_LEGAL_NAME**	Registered name of the entity in an alternative language in the legal jurisdiction in which the entity is registered.
enumeration **PREVIOUS_LEGAL_NAME**	A primary legal name previously used by this entity.
enumeration **TRADING_OR_OPERATING_NAME**	A "trading as", "brand name" or "operating under" name currently used by this entity in addition to, but not replacing, the (primary) legal, official registered name.

2.3.84. Complex Type lei:TransliteratedOtherEntityNameType

extension of **lei:TransliteratedNameType**

Attribute	Type	Use	Annotation
type	**lei:TransliteratedEntityNameTypeEnum**	required	Type of alternative name for the legal entity.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.85. Complex Type lei:TransliteratedNameType

extension of **lei:TransliteratedStringType**

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.86. Simple Type lei:TransliteratedStringType

Character Codes Allowed in ASCII Transliterated Names

A `TransliteratedOtherEntityName` instance of type `PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME` or `AUTO_ASCII_TRANSLITERATED_LEGAL_NAME`, can only contain non-control characters drawn from the "invariant subset" of ISO 646. These characters are enumerated below. The "Hex Value" column indicates the code point value (expressed in hexadecimal) for each character in both ISO 646 and ISO 10646. **This is enforced by the XML schema.**

Graphic Symbol	Name	Hex Value	Graphic Symbol	Name	Hex Value
!	Exclamation Mark	21	M	Capital Letter M	4D
"	Quotation Mark	22	N	Capital Letter N	4E
%	Percent Sign	25	O	Capital Letter O	4F
&	Ampersand	26	P	Capital Letter P	50
'	Apostrophe	27	Q	Capital Letter Q	51
(	Left Parenthesis	28	R	Capital Letter R	52
)	Right Parenthesis	29	S	Capital Letter S	53

*	Asterisk	2A	T	Capital Letter T	54
+	Plus sign	2B	U	Capital Letter U	55
,	Comma	2C	V	Capital Letter V	56
-	Hyphen/ Minus	2D	W	Capital Letter W	57
.	Full Stop	2E	X	Capital Letter X	58
/	Solidus	2F	Y	Capital Letter Y	59
0	Digit Zero	30	Z	Capital Letter Z	5A
1	Digit One	31	_	Low Line	5F
2	Digit Two	32	a	Small Letter a	61
3	Digit Three	33	b	Small Letter b	62
4	Digit Four	34	c	Small Letter c	63
5	Digit Five	35	d	Small Letter d	64
6	Digit Six	36	e	Small Letter e	65
7	Digit Seven	37	f	Small Letter f	66

8	Digit Eight	38	g	Small Letter g	67
9	Digit Nine	39	h	Small Letter h	68
:	Colon	3A	i	Small Letter i	69
;	Semicolon	3B	j	Small Letter j	6A
<	Less-than Sign	3C	k	Small Letter k	6B
=	Equals Sign	3D	l	Small Letter l	6C
>	Greater-than Sign	3E	m	Small Letter m	6D
?	Question Mark	3F	n	Small Letter n	6E
A	Capital Letter A	41	o	Small Letter o	6F
B	Capital Letter B	42	p	Small Letter p	70
C	Capital Letter C	43	q	Small Letter q	71
D	Capital Letter D	44	r	Small Letter r	72
E	Capital Letter E	45	s	Small Letter s	73
F	Capital Letter F	46	t	Small Letter t	74
G	Capital Letter G	47	u	Small Letter u	75

H	Capital Letter H	48	v	Small Letter v	76
I	Capital Letter I	49	w	Small Letter w	77
J	Capital Letter J	4A	x	Small Letter x	78
K	Capital Letter K	4B	y	Small Letter y	79
L	Capital Letter L	4C	z	Small Letter z	7A
	Space	20			

restriction of **lei:Tokenized500Type**

minLength	**1**
maxLength	**500**
pattern	**(\S+(\S+)*) & ((!|"|%|&|'|\(|\)|*|\+|,|- |\.|/|0|1|2|3|4|5|6|7|8|9|:|;|<|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L| |M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n |o|p|q|r|s|t|u|v|w|x|y|z)+)**

2.3.87. Simple Type lei:TransliteratedEntityNameTypeEnum

restriction of **xs:token**

enumeration **PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME**	Legal name of the entity transliterated to ASCII characters, provided by the entity for this purpose.
enumeration **AUTO_ASCII_TRANSLITERATED_LEGAL_NAME**	Legal name of the entity transliterated to ASCII characters, auto-transliterated by the managing LOU.

2.3.88. Complex Type lei:AddressType

xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.89. Simple Type lei:RegionCodeType

A 4- to 6-character ISO 3166-2 region code of the region. Please note that the XML schema validates for all `CountryCode` values consisting of 2 upper-case Latin letters; some possible combinations may not be valid ISO 3166 entries.

restriction of **xs:string**

minLength	**4**
maxLength	**6**
pattern	**([A-Z]{2}-[A-Z0-9]{1,3})**

2.3.90. Simple Type lei:CountryCodeType

A 2-character country code conforming to ISO 3166-1 alpha-2. Please note that the XML schema validates for all `CountryCode` values consisting of 2 upper-case Latin letters; some possible combinations may not be valid ISO 3166 entries. A current code from the ISO-approved list must be used used. See http://www.iso.org/iso/home/standards/country_codes.htm for more details.

restriction of **xs:string**

minLength	**2**
maxLength	**2**
pattern	**([A-Z]{2})**

2.3.91. Complex Type lei:OtherAddressType

extension of **lei:AddressType**

Attribute	Type	Use	Annotation
type	**lei:AddressTypeEnum**	required	The type of address represented by this `OtherAddress` instance.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.92. Simple Type lei:AddressTypeEnum

restriction of **xs:string**

enumeration **ALTERNATIVE_LANGUAGE_LEGAL_ADDRESS**	Registered address of the entity in the legal jurisdiction, in an alternative language used in the legal jurisdiction.
enumeration **ALTERNATIVE_LANGUAGE_HEADQUARTERS_ADDRESS**	Address of the headquarters of the entity, in an alternative language used in the legal jurisdiction.

2.3.93. Complex Type lei:TransliteratedOtherAddressType

extension of **lei:TransliteratedAddressType**

Attribute	Type	Use	Annotation
type	**lei:TransliteratedAddressTypeEnum**	required	Type of alternative name for the legal entity.
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.94. Complex Type lei:TransliteratedAddressType

Attribute	Type	Use	Annotation
xml:lang	union of(**xs:language**, restriction of **xs:string**)	optional	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.

2.3.95. Simple Type lei:TransliteratedAddressTypeEnum

restriction of **xs:string**

enumeration **AUTO_ASCII_TRANSLITERATED_LEGAL_ADDRESS**	Registered address of the entity in the legal jurisdiction, transliterated to ASCII characters, auto-transliterated by the managing LOU.
enumeration **AUTO_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS**	Address of the headquarters of the entity, transliterated to ASCII characters, auto-transliterated by the managing LOU.
enumeration **PREFERRED_ASCII_TRANSLITERATED_LEGAL_ADDRESS**	Registered address of the entity in the legal jurisdiction, transliterated to ASCII characters, provided by the entity for this purpose.
enumeration **PREFERRED_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS**	Address of the headquarters of the entity, transliterated to ASCII characters, provided by the entity for this purpose.

2.3.96. Simple Type lei:RegistrationAuthorityEnum

restriction of **xs:string**

pattern **RA\d{6}**

2.3.97. Simple Type lei:JurisdictionCodeType

union of(**lei:CountryCodeType**, **lei:RegionCodeType**)

2.3.98. Simple Type lei:EntityCategoryTypeEnum

restriction of **xs:token**

enumeration **BRANCH**	The legal entity is a branch of another legal entity.
enumeration **FUND**	The legal entity is a fund managed by another legal entity.
enumeration **SOLE_PROPRIETOR**	The legal entity is an individual acting in a business capacity.

2.3.99. Simple Type lei:LegalFormEnum

Please note that the XML schema validates for all `LegalForm` values conforming to the ISO 20275 standard (section "Code Structure"); four uppercase alphanumeric characters in any combination except for purely numeric codes. Some possible combinations may not be valid Entity Legal Form (ELF) entries.

restriction of **xs:string**

pattern	**(([A-Z][A-Z0-9]{3}|[A-Z0-9][A-Z][A-Z0-9]{2}|[A-Z0-9]{2}[A-Z][A-Z0-9]|[A-Z0-9]{3}[A-Z]))|(9999)|(8888)**

2.3.100. Complex Type lei:AssociatedEntityType

Attribute	Type	Use	Annotation
type	**lei:AssociatedEntityTypeEnum**	required	The type of association represented by this AssociatedEntity instance.

2.3.101. Simple Type lei:AssociatedEntityTypeEnum

restriction of **xs:string**

enumeration **FUND_FAMILY**	The legal entity is a fund, and the associated entity is the manager of the fund.

2.3.102. Simple Type lei:EntityStatusEnum

restriction of **xs:string**

enumeration **ACTIVE**	As of the last report or update, the legal entity reported that it was legally registered and operating.
enumeration **INACTIVE**	It has been determined that the entity that was assigned the LEI is no longer legally registered and/or operating, whether as a result of business closure, acquisition by or merger with another (or new) entity, or determination of illegitimacy.

2.3.103. Simple Type lei:EntityExpirationReasonEnum

restriction of **xs:string**

enumeration **DISSOLVED**	The entity ceased to operate.
enumeration **CORPORATE_ACTION**	The entity was acquired or merged with another entity.
enumeration **OTHER**	The reason for expiry is neither of `DISSOLVED` nor `CORPORATE_ACTION`

2.3.104. Simple Type lei:RegistrationStatusEnum

Type	restriction of **xs:string**	
Facets	enumeration **PENDING_VALIDATION**	An application for an LEI that has been submitted and which is being processed and validated.
	enumeration **ISSUED**	An LEI Registration that has been validated and issued, and which identifies an entity that was an operating legal entity as of the last update.
	enumeration **DUPLICATE**	An LEI Registration that has been determined to be a duplicate registration of the same legal entity as another LEI Registration; the DUPLICATE status is assigned to the non-surviving registration (i.e. the LEI that should no longer be used).
	enumeration **LAPSED**	An LEI registration that has not been renewed by the `NextRenewalDate` and is not known by public sources to have ceased operation.
	enumeration **MERGED**	An LEI registration for an entity that has been merged into another legal entity, such that this legal entity no longer exists as an operating entity.
	enumeration **RETIRED**	An LEI registration for an entity that has ceased operation, without having been merged into another entity.
	enumeration **ANNULLED**	An LEI registration that was marked as erroneous or invalid after it was issued
	enumeration **CANCELLED**	An LEI registration that was abandoned prior to issuance of an LEI

enumeration **TRANSFERRED**	An LEI registration that has been transferred to a different LOU as the managing LOU.
enumeration **PENDING_TRANSFER**	An LEI registration that has been requested to be transferred to another LOU. The request is being processed at the sending LOU
enumeration **PENDING_ARCHIVAL**	An LEI registration is about to be transferred to a different LOU, after which its registration status will revert to a non-pending status.

2.3.105. Simple Type lei:ValidationSourcesEnum

Type restriction of **xs:string**

Facets

enumeration **PENDING**	The validation of the reference data provided by the registrant has not yet occurred.
enumeration **ENTITY_SUPPLIED_ONLY**	Based on the validation procedures in use by the LOU responsible for the record, the information associated with this record has significant reliance on the information that a submitter provided due to the unavailability of corroborating information.
enumeration **PARTIALLY_CORROBORATED**	Based on the validation procedures in use by the LOU responsible for the record, the information supplied by the registrant can be partially corroborated by public authoritative sources, while some of the record is dependent upon the information that the registrant submitted, either due to conflicts with authoritative information, or due to data unavailability.
enumeration **FULLY_CORROBORATED**	Based on the validation procedures in use by the LOU responsible for the record, there is sufficient information contained in authoritative public sources to corroborate the information that the submitter has provided for the record.

2.3.106. Attribute lei:OtherEntityNameType / @type

Type of alternative name for the legal entity.

lei:EntityNameTypeEnum

use **required**

enumeration **ALTERNATIVE_LANGUAGE_LEGAL_NAME**	Registered name of the entity in an alternative language in the legal jurisdiction in which the entity is registered.
enumeration **PREVIOUS_LEGAL_NAME**	A primary legal name previously used by this entity.
enumeration **TRADING_OR_OPERATING_NAME**	A "trading as", "brand name" or "operating under" name currently used by this entity in addition to, but not replacing, the (primary) legal, official registered name.

2.3.107. Attribute lei:TransliteratedOtherEntityNameType / @type

Type of alternative name for the legal entity.

lei:TransliteratedEntityNameTypeEnum

use **required**

enumeration **PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME**	Legal name of the entity transliterated to ASCII characters, provided by the entity for this purpose.
enumeration **AUTO_ASCII_TRANSLITERATED_LEGAL_NAME**	Legal name of the entity transliterated to ASCII characters, auto-transliterated by the managing LOU.

2.3.108. Attribute lei:OtherAddressType / @type

The type of address represented by this `OtherAddress` instance.

lei:AddressTypeEnum

use **required**

enumeration **ALTERNATIVE_LANGUAGE_LEGAL_ADDRESS**	Registered address of the entity in the legal jurisdiction, in an alternative language used in the legal jurisdiction.
enumeration **ALTERNATIVE_LANGUAGE_HEADQUARTERS_ADDRESS**	Address of the headquarters of the entity, in an alternative language used in the legal jurisdiction.

2.3.109. Attribute lei:TransliteratedOtherAddressType / @type

Type of alternative name for the legal entity.

lei:TransliteratedAddressTypeEnum

use **required**

enumeration	**AUTO_ASCII_TRANSLITERATED_LEGAL_ADDRESS**	Registered address of the entity in the legal jurisdiction, transliterated to ASCII characters, auto-transliterated by the managing LOU.
enumeration	**AUTO_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS**	Address of the headquarters of the entity, transliterated to ASCII characters, auto-transliterated by the managing LOU.
enumeration	**PREFERRED_ASCII_TRANSLITERATED_LEGAL_ADDRESS**	Registered address of the entity in the legal jurisdiction,

		transliterated to ASCII characters, provided by the entity for this purpose.
enumeration	**PREFERRED_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS**	Address of the headquarters of the entity, transliterated to ASCII characters, provided by the entity for this purpose.

2.3.110. Attribute lei:AssociatedEntityType / @type

The type of association represented by this AssociatedEntity instance.

lei:AssociatedEntityTypeEnum

use **required**

enumeration **FUND_FAMILY**	The legal entity is a fund, and the associated entity is the manager of the fund.